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NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced
NEWS 15 FEB 11 WTEXTILES reloaded and enhanced
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NEWS 18 FEB 23 Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19 FEB 23 MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20 FEB 23 TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 Mesh terms
NEWS 21 FEB 23 Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22 FEB 25 USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 24 MAR 11 EPFULL backfile enhanced with additional full-text applications and grants
NEWS 25 MAR 11 ESBIOTBASE reloaded and enhanced
NEWS 26 MAR 20 CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 27 MAR 23 CA/Cplus enhanced with more than 250,000 patent

equivalents from China

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AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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=> s (decrease coagulation or thrombosis)
L1 224830 (DECREASE COAGULATION OR THROMBOSIS)

=> s 11 and (administer ATIII)
L2 0 L1 AND (ADMINISTER ATIII)

=> S 11 and (in a system)
3 FILES SEARCHED...

=> s 13 and (Antithrombin III)

=> s 14 and (heparin or heparan sulfate

=> s. 15 and (solid surface)

55-15 AND (SOLID SURFACE)

=> s 16 and (stent or catheter)
L7 53 L6 AND (STENT OR CATHETER)

=> s 17 and (heparin coated thermoplastic)
L8 2 L7 AND (HEPARIN COATED THERMOPLASTIC)

=> d 18 ti abs ibib tot

L8 ANSWER 1 OF 2 USPATFULL on STN
TI Methods of Using High Affinity Atiii Variants
AB Disclosed are compositions and methods related to binding of ATIII under low and high shear rate conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2007:296961 USPATFULL
TITLE: Methods of Using High Affinity Atiii Variants
INVENTOR(S): Bock, Susan C., Salt Lake City, UT, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|-----------------------|
| PATENT INFORMATION: | US 20070259809 | A1 | 20071108 |
| APPLICATION INFO.: | US 2005-584640 | A1 | 20050110 (10) |
| | WO 2005-US843 | | 20050110 |
| | | | 20070518 PCT 371 date |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2004-535360P | 20040109 (60) |
| | US 2004-618746P | 20041014 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | NEEDLE & ROSENBERG, P.C., SUITE 1000, 999 PEACHTREE STREET, ATLANTA, GA, 30309-3915, US | |
| NUMBER OF CLAIMS: | 82 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 17 Drawing Page(s) | |
| LINE COUNT: | 4434 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 2 WPIDS COPYRIGHT 2009 THOMSON REUTERS on STN
TI Novel variant of antithrombin III ATIII, having increased heparin binding affinity and basal factor rate by disrupting interactions between helix D and sheet A of native ATIII, useful for inhibiting coagulation/thrombosis in subject
AN 2005-555399 [56] WPIDS
AB WO 2005070148 A2 UPAB: 20051223
NOVELTY - A variant (I) of antithrombin III (ATIII), comprising a substitution at Y131 or its positional equivalent, where the heparin binding affinity and basal factor Xa rate are increased by disrupting interactions between helix D and sheet A of the native ATIII, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:
(1) decreasing (M1) coagulation or thrombosis in a system comprising administering ATIII molecule to the system, where the ATIII molecule has an increased affinity for heparin or heparan sulfate proteoglycans (HSPGs) bound to a solid surface, and where the ATIII binds the heparin or heparan sulfate proteoglycans under high wall shear rate conditions with a higher affinity than alpha ATIII;
(2) inhibiting coagulation under low and high wall shear rate conditions comprising administering an ATIII molecule, where the ATIII

molecule binds heparin or heparan sulfate proteoglycans under low and high wall shear rate conditions with an affinity higher than alpha ATIII;

(3) inhibiting (M2) coagulation or thrombosis during or following a cardiovascular procedure on a subject comprising administering high affinity ATIII molecules to the subject, where the ATIII molecule binds heparin or HSPGs under low and high wall shear rate conditions with an affinity higher than alpha ATIII;

(4) preconditioning heparin or heparan sulfate polyglycan coated material, involves incubating the material with solution comprising ATIII molecules, such that the ATIII molecules bind to the heparin or HSPGs under low and high wall shear rate conditions with an affinity higher than alpha ATIII;

(5) determining (M3) an amount of heparin or HSPG on a surface, involves contacting the surface with a composition comprising an ATIII molecule at a wall shear rate, where the ATIII molecule has an increased affinity for heparin or HSPGs, and assaying the amount of the ATIII molecule bound to the surface, the amount of the ATIII bound to the surface being the minimum amount of heparin or HSPG on the surface;

(6) determining a wall shear rate on a heparin or HSPG coated surface, involves contacting the surface with a composition comprising an ATIII molecule, where the ATIII molecule has an increased affinity for heparin or HSPG, and assaying the amount of the ATIII bound to the surface, the higher the amount of ATIII bound to the surface the higher the wall shear rate; and

(7) coating a surface with heparin or HSPG, involves determining an amount of ATIII that binds to the surface, where the ATIII has a high affinity for heparin or HSPG, and coating the surface with heparin or HSPG in an amount at least that of ATIII bound to the surface.

ACTIVITY - Anticoagulant; Thrombolytic.

No biological data given.

MECHANISM OF ACTION - Serine protease inhibitor.

USE - (I) is useful for decreasing coagulation or thrombosis in a system, inhibiting coagulation or thrombosis during or following a cardiovascular procedure on a subject, and for preconditioning heparin or HSPG coated material (claimed).

ACCESSION NUMBER: 2005-555399 [56] WPIDS

DOC. NO. CPI: C2005-167296 [56]

TITLE: Novel variant of antithrombin III ATIII, having increased heparin binding affinity and basal factor rate by disrupting interactions between helix D and sheet A of native ATIII, useful for inhibiting coagulation/thrombosis in subject

DERWENT CLASS: B04

INVENTOR: BOCK S C

PATENT ASSIGNEE: (UTAH-C) UNIV UTAH RES FOUND; (BOCK-I) BOCK S C

COUNTRY COUNT: 107

PATENT INFO ABBR.:

| PATENT NO | KIND DATE | WEEK | LA | PG | MAIN IPC |
|----------------|-----------------------|------------|----|----|----------|
| WO 2005070148 | A2 20050804 (200556)* | EN 119[13] | | | |
| EP 1725868 | A2 20061129 (200680) | EN | | | |
| AU 2005206806 | A1 20050804 (200707) | EN | | | |
| US 20070259809 | A1 20071108 (200774) | EN | | | |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|-------------------|-------------|-----------------|----------|
| WO 2005070148 A2 | | WO 2005-US843 | 20050110 |
| AU 2005206806 A1 | | AU 2005-206806 | 20050110 |
| EP 1725868 A2 | | EP 2005-705482 | 20050110 |
| EP 1725868 A2 | | WO 2005-US843 | 20050110 |
| US 20070259809 A1 | Provisional | US 2004-535360P | 20040109 |
| US 20070259809 A1 | Provisional | US 2004-618746P | 20041014 |
| US 20070259809 A1 | | WO 2005-US843 | 20050110 |
| US 20070259809 A1 | | US 2007-584640 | 20070518 |

FILING DETAILS:

| PATENT NO | KIND | PATENT NO |
|-----------------------|-------------|-----------------|
| EP 1725868 | A2 Based on | WO 2005070148 A |
| AU 2005206806 | A1 Based on | WO 2005070148 A |
| PRIORITY APPLN. INFO: | | |
| US 2004-618746P | | 20041014 |
| US 2004-535360P | | 20040109 |
| US 2007-584640 | | 20070518 |

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FILE 'MEDLINE, USPATFULL, WPIDS, BIOSIS, BIOTECHDS' ENTERED AT 13:43:17
ON 24 MAR 2009

L1 224830 S (DECREASE COAGULATION OR THROMBOSIS)
 L2 0 S L1 AND (ADMINISTER ATIII)
 L3 5124 S L1 AND (IN A SYSTEM)
 L4 273 S L3 AND (ANTITHROMBIN III)
 L5 236 S L4 AND (HEPARIN OR HEPARAN SULFATE PROTEOGLYCAN)
 L6 59 S L5 AND (SOLID SURFACE)
 L7 53 S L6 AND (STENT OR CATHETER)
 L8 2 S L7 AND (HEPARIN COATED THERMOPLASTIC)

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| | | |
|-----|-------|--------------------|
| E1 | 6 | BOCK WOLFGANG J/AU |
| E2 | 5 | BOCK YEHUDA/AU |
| E3 | 0 --> | BOCK, S/AU |
| E4 | 11 | BOCKA/AU |
| E5 | 13 | BOCKA J J/AU |
| E6 | 1 | BOCKA JOSEPH J/AU |
| E7 | 1 | BOCKA P E/AU |
| E8 | 7 | BOCKA R/AU |
| E9 | 6 | BOCKA RALF/AU |
| E10 | 4 | BOCKA S/AU |
| E11 | 3 | BOCKA SABINE/AU |
| E12 | 1 | BOCKAERT/AU |

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L9 4 "BOCKA S"/AU

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L9 ANSWER 1 OF 4 WPIDS COPYRIGHT 2009 THOMSON REUTERS on STN
 TI Grinding tool machine has motor in housing, grinding disc held in holder
 by lever-clamps with clamping jaws at one end, swivel axle and two sets of

clamps
AN 2003-240928 [24] WPIDS
AB DE 10139548 A1 UPAB: 20060202

NOVELTY - The motor is contained in a housing (12). The grinding disc (16) is held in a holder (14) by means of clamps (20,23) in the form of levers with swivel axle (24) mounted on the side of the grinding disc holder side. At one end of the levers are clamping jaws (22) clamping the grinding disc, while the other end is preferably manually operated. One of the grinding disc ends (19) is clamped between two clamps, while the other end is clamped by second clamps (34) in the form of swivel pincers.

USE - Grinding tool machine especially vibrating grinder

ADVANTAGE - The grinding disc is tightly tensioned single-handedly and clamped comfortably and quickly

DESCRIPTION OF DRAWINGS - The drawing shows a side view of a grinding tool machine.

Housing (12)
Holder (14)
Grinding disc (16)
Grinding disc end (19)
Clamps (20,23)
Clamping jaws (22)
Swivel axle (24)
Second clamps. (34)

ACCESSION NUMBER: 2003-240928 [24] WPIDS
DOC. NO. NON-CPI: N2003-191785 [24]
TITLE: Grinding tool machine has motor in housing, grinding disc held in holder by lever-clamps with clamping jaws at one end, swivel axle and two sets of clamps
DERWENT CLASS: P61
INVENTOR: BALMELI M; BALMELLI M; BOCKA S; MARCO B; SABINE B
PATENT ASSIGNEE: (BALM-I) BALMELI M; (BOCK-I) BOCKA S; (BOSC-C) BOSCH AG ROBERT; (BOSC-C) BOSCH GMBH ROBERT
COUNTRY COUNT: 29

PATENT INFO ABBR.:

| PATENT NO | KIND | DATE | WEEK | LA | PG | MAIN IPC |
|----------------|------|----------|-----------|----|-------|----------|
| DE 10139548 | A1 | 20030220 | (200324)* | DE | 11[6] | |
| WO 2003015985 | A1 | 20030227 | (200326) | DE | | |
| US 20040002295 | A1 | 20040101 | (200402) | EN | | |
| CN 1464814 | A | 20031231 | (200422) | ZH | | |
| EP 1419032 | A1 | 20040519 | (200433) | DE | | |
| JP 2004538165 | W | 20041224 | (200502) | JA | 39 | |
| US 6855041 | B2 | 20050215 | (200513) | EN | | |
| EP 1419032 | B1 | 20051116 | (200579) | DE | | |
| DE 50204962 | G | 20051222 | (200603) | DE | | |
| CN 1304164 | C | 20070314 | (200751) | ZH | | |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|------------------|------|------------------|----------|
| DE 10139548 A1 | | DE 2001-10139548 | 20010810 |
| CN 1464814 A | | CN 2002-802633 | 20020608 |
| DE 50204962 G | | DE 2002-504962 | 20020608 |
| EP 1419032 A1 | | EP 2002-747205 | 20020608 |
| EP 1419032 B1 | | EP 2002-747205 | 20020608 |
| DE 50204962 G | | EP 2002-747205 | 20020608 |
| WO 2003015985 A1 | | WO 2002-DE2101 | 20020608 |

| | |
|-------------------|-------------------------|
| US 20040002295 A1 | WO 2002-DE2101 20020608 |
| EP 1419032 A1 | WO 2002-DE2101 20020608 |
| JP 2004538165 W | WO 2002-DE2101 20020608 |
| US 6855041 B2 | WO 2002-DE2101 20020608 |
| EP 1419032 B1 | WO 2002-DE2101 20020608 |
| DE 50204962 G | WO 2002-DE2101 20020608 |
| JP 2004538165 W | JP 2003-520528 20020608 |
| US 20040002295 A1 | US 2003-398466 20030403 |
| US 6855041 B2 | US 2003-398466 20030403 |
| CN 1304164 C | CN 2002-802633 20020608 |

FILING DETAILS:

| PATENT NO | KIND | PATENT NO |
|-----------------|----------|-----------------|
| EP 1419032 A1 | Based on | WO 2003015985 A |
| JP 2004538165 W | Based on | WO 2003015985 A |
| US 6855041 B2 | Based on | WO 2003015985 A |
| EP 1419032 B1 | Based on | WO 2003015985 A |
| DE 50204962 G | Based on | EP 1419032 A |
| DE 50204962 G | Based on | WO 2003015985 A |

PRIORITY APPLN. INFO: DE 2001-10139548 20010810

L9 ANSWER 2 OF 4 WPIDS COPYRIGHT 2009 THOMSON REUTERS on STN
 TI Grinding tool machine has clamps on opposite ends of grinding disc, holder, pincers with clamping jaws and swivel axle
 AN 2003-240927 [24] WPIDS
 AB DE 10139547 A1 UPAB: 20050903
 NOVELTY - Clamps (20) fix the opposite facing ends (17,19) of the grinding disc (16) supported by an operating surface (15) of the grinding disc holder (14). The clamps, together with a grinding disc end clamped to it, are moved away from the other, also clamped, end of the grinding disc. The grinding disc is locked in a state of tensile tension, preferably up to breaking point. One of the clamps is in the form of pincers (34) possessing clamping-jaws (36,38) between which one grinding disc end is clamped. The pincers with clamping jaws and with clamped grinding disc end are movable on swivel axle (40).

USE - Grinding tool machine, especially vibrating grinder
 ADVANTAGE - The grinding tool machine possesses higher abrasive efficiency

DESCRIPTION OF DRAWINGS - The drawing shows a side view of the clamping and tensioning device of the grinding tool machine..

Grinding disc holder (14)

Operating surface (15)

Grinding disc (16)

Disc ends (17,19)

Clamp (20)

Pincers (34)

Clamping jaws (36,38)

Swivel axle. (40)

ACCESSION NUMBER: 2003-240927 [24] WPIDS

DOC. NO. NON-CPI: N2003-191784 [24]

TITLE: Grinding tool machine has clamps on opposite ends of grinding disc, holder, pincers with clamping jaws and swivel axle

DERWENT CLASS: P61

INVENTOR: BALMELI M; BALMELLI M; BOCKA S

PATENT ASSIGNEE: (BALM-I) BALMELI M; (BOCK-I) BOCKA S; (BOSC-C) BOSCH AG ROBERT; (BOSC-C) BOSCH GMBH ROBERT

COUNTRY COUNT: 32

PATENT INFO ABBR.:

| PATENT NO | KIND | DATE | WEEK | LA | PG | MAIN IPC |
|----------------|------|----------|-----------|----|------|----------|
| DE 10139547 | A1 | 20030220 | (200324)* | DE | 8[4] | |
| WO 2003015987 | A1 | 20030227 | (200326) | DE | | |
| US 20040014410 | A1 | 20040122 | (200407) | EN | | |
| CN 1464812 | A | 20031231 | (200422) | ZH | | |
| EP 1419033 | A1 | 20040519 | (200433) | DE | | |
| US 6857948 | B2 | 20050222 | (200515) | EN | | |
| EP 1419033 | B1 | 20090304 | (200917) | DE | | |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|-------------------------------|------|------------------|----------|
| DE 10139547 A1 | | DE 2001-10139547 | 20010810 |
| CN 1464812 A | | CN 2002-802495 | 20020727 |
| EP 1419033 A1 | | EP 2002-764530 | 20020727 |
| WO 2003015987 A1 | | WO 2002-DE2778 | 20020727 |
| US 20040014410 A1 | | WO 2002-DE2778 | 20020727 |
| EP 1419033 A1 | | WO 2002-DE2778 | 20020727 |
| US 6857948 B2 | | WO 2002-DE2778 | 20020727 |
| US 20040014410 A1 | | US 2003-398465 | 20030403 |
| US 6857948 B2 | | US 2003-398465 | 20030403 |
| EP 1419033 B1 | | EP 2002-764530 | 20020727 |
| EP 1419033 B1 PCT Application | | WO 2002-DE2778 | 20020727 |

FILING DETAILS:

| PATENT NO | KIND | PATENT NO |
|------------|------|-----------------|
| EP 1419033 | A1 | Based on |
| US 6857948 | B2 | Based on |
| EP 1419033 | B1 | Based on |
| | | WO 2003015987 A |
| | | WO 2003015987 A |
| | | WO 2003015987 A |

PRIORITY APPLN. INFO: DE 2001-10139547 20010810

L9 ANSWER 3 OF 4 WPIDS COPYRIGHT 2009 THOMSON REUTERS on STN
 TI Grinding tool machine has plate-type holder, clamps as lever with clamping
 jaw, swivel axle

AN 2003-240926 [24] WPIDS

AB DE 10139546 A1 UPAB: 20060119

NOVELTY - The grinder disc (16) is supported on the operating surface (15) of a grinding disc holder (14) in the form of a plate. The opposite ends (17,19) of the grinder disc are fixed to the holder by clamps (20,23) in the form of a lever with swivel axle (24) positioned on the grinder disc holder. One end of the lever has clamping jaw (22) supported on the holder which is inserted between the clamping jaws and the holder against the pre-tension of the clamping jaw. The clamping jaw is swivel mounted on an axle.

USE - Grinding tool machine especially vibrating grinder
 ADVANTAGE - Fresh grinding discs can be fitted single-handedly

easily and rapidly

DESCRIPTION OF DRAWINGS - The drawing shows a side view of a grinding tool machine.

Grinding disc holder (14)

Operating surface (15)

Grinding disc (16)

Disc ends (17,19)

Clamps (20,23)
 Clamping jaw (22)
 Swivel axle. (24)
 ACCESSION NUMBER: 2003-240926 [24] WPIDS
 DOC. NO. NON-CPI: N2003-191783 [24]
 TITLE: Grinding tool machine has plate-type holder, clamps as lever with clamping jaw, swivel axle
 DERWENT CLASS: P61
 INVENTOR: BOCKA S; ENGELFRIED U; SABINE B; UWE E
 PATENT ASSIGNEE: (BOCK-I) BOCKA S; (BOSC-C) BOSCH AG ROBERT; (BOSC-C) BOSCH GMBH ROBERT; (ENGE-I) ENGELFRIED U
 COUNTRY COUNT: 28

PATENT INFO ABBR.:

| PATENT NO | KIND | DATE | WEEK | LA | PG | MAIN IPC |
|----------------|------|----------|-----------|----|-------|----------|
| DE 10139546 | A1 | 20030220 | (200324)* | DE | 10[9] | |
| WO 2003015986 | A1 | 20030227 | (200326) | DE | | |
| US 20040033767 | A1 | 20040219 | (200414) | EN | | |
| CN 1464813 | A | 20031231 | (200422) | ZH | | |
| EP 1419031 | A1 | 20040519 | (200433) | DE | | |
| US 6887143 | B2 | 20050503 | (200531) | EN | | |
| EP 1419031 | B1 | 20050914 | (200560) | DE | | |
| DE 50204285 | G | 20051020 | (200571) | DE | | |
| CN 1241715 | C | 20060215 | (200656) | ZH | | |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|-------------------|------|------------------|----------|
| DE 10139546 A1 | | DE 2001-10139546 | 20010810 |
| CN 1464813 A | | CN 2002-802566 | 20020627 |
| DE 50204285 G | | DE 2002-504285 | 20020627 |
| EP 1419031 A1 | | EP 2002-742814 | 20020627 |
| EP 1419031 B1 | | EP 2002-742814 | 20020627 |
| DE 50204285 G | | EP 2002-742814 | 20020627 |
| WO 2003015986 A1 | | WO 2002-DE2345 | 20020627 |
| US 20040033767 A1 | | WO 2002-DE2345 | 20020627 |
| EP 1419031 A1 | | WO 2002-DE2345 | 20020627 |
| US 6887143 B2 | | WO 2002-DE2345 | 20020627 |
| EP 1419031 B1 | | WO 2002-DE2345 | 20020627 |
| DE 50204285 G | | WO 2002-DE2345 | 20020627 |
| US 20040033767 A1 | | US 2003-398059 | 20030401 |
| US 6887143 B2 | | US 2003-398059 | 20030401 |
| CN 1241715 C | | CN 2002-802566 | 20020627 |

FILING DETAILS:

| PATENT NO | KIND | PATENT NO |
|---------------|----------|-----------------|
| DE 50204285 G | Based on | EP 1419031 A |
| EP 1419031 A1 | Based on | WO 2003015986 A |
| US 6887143 B2 | Based on | WO 2003015986 A |
| EP 1419031 B1 | Based on | WO 2003015986 A |
| DE 50204285 G | Based on | WO 2003015986 A |

PRIORITY APPLN. INFO: DE 2001-10139546 20010810

L9 ANSWER 4 OF 4 WPIDS COPYRIGHT 2009 THOMSON REUTERS on STN
 TI Hand-held electric tool has blade head with leading and trailing surfaces;

trailing surface is arranged below rotation axis and decoupled from rotation; surface difference defines depth of cut
AN 2002-155890 [21] WPIDS
AB DE 10035561 A1 UPAB: 20050525

NOVELTY - The device has a blade head (1) driven in rotation about a rotation axis (5) with a leading surface (A) and a trailing surface (B), whereby the trailing surface is arranged below the rotation axis and is decoupled from its rotation. The trailing surface protrudes below the leading surface by a difference defining the depth of cut (t).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: a blade head for a hand-held electric tool.

USE - Especially for face milling.

ADVANTAGE - The quality of the machine wooden surface is improved and the tool is easier to use.

DESCRIPTION OF DRAWINGS - The drawing shows a schematic, partly sectional representation of a hand-held tool

- blade head (1)
- rotation axis (5)
- leading surface (A)
- trailing surface (B)
- depth of cut (t)

ACCESSION NUMBER: 2002-155890 [21] WPIDS
DOC. NO. NON-CPI: N2002-118523 [21]
TITLE: Hand-held electric tool has blade head with leading and trailing surfaces; trailing surface is arranged below rotation axis and decoupled from rotation; surface difference defines depth of cut
DERWENT CLASS: P54; P63; X25
INVENTOR: BOCKA S; ENGELFRIED U; FRANK M; KEUSCH S;
KRONDORFER H; OBER M; SCHOMISCH T; STIERLE P; WUENSCH S
PATENT ASSIGNEE: (BOSC-C) BOSCH GMBH ROBERT
COUNTRY COUNT: 3

PATENT INFO ABBR.:

| PATENT NO | KIND | DATE | WEEK | LA | PG | MAIN IPC |
|---------------|------|----------|-----------|----|------|----------|
| DE 10035561 | A1 | 20020131 | (200221)* | DE | 7[3] | |
| GB 2365818 | A | 20020227 | (200223) | EN | | |
| JP 2002046103 | A | 20020212 | (200227) | JA | 7 | |
| GB 2365818 | B | 20030625 | (200341) | EN | | |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|-----------------|------|------------------|----------|
| DE 10035561 A1 | | DE 2000-10035561 | 20000721 |
| GB 2365818 A | | GB 2001-17290 | 20010716 |
| JP 2002046103 A | | JP 2001-218194 | 20010718 |
| GB 2365818 B | | GB 2001-17290 | 20010716 |

PRIORITY APPLN. INFO: DE 2000-10035561 20000721

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FILE 'MEDLINE, USPATFULL, WPIDS, BIOSIS, BIOTECHDS' ENTERED AT 13:43:17
ON 24 MAR 2009

L1 224830 S (DECREASE COAGULATION OR THROMBOSIS)

L2 0 S L1 AND (ADMINISTER ATIII)
L3 5124 S L1 AND (IN A SYSTEM)
L4 271 S L3 AND (ANTITHROMBIN III)
L5 236 S L4 AND (HEPARIN OR HEPARAN SULFATE PROTEOGLYCAN)
L6 55 S L5 AND (SOLID SURFACE)
L7 53 S L6 AND (STENT OR CATHETER)
L8 2 S L7 AND (HEPARIN COATED THERMOPLASTIC)
E BOCK, S/AU
L9 4 S E10

=> s (decrease thrombosis and Antithrombin III)
L10 0 (DECREASE THROMBOSIS AND ANTITHROMBIN III)

=> s (decrease coagulation and antithrombin III)
L11 7 (DECREASE COAGULATION AND ANTITHROMBIN III)

=> d l11 ti abs ibib tot

L11 ANSWER 1 OF 7 USPATFULL on STN
TI Pharmaceutical dipeptide compositions and methods of use thereof:
immunostimulants
AB Methods of treatment of subjects for decreasing cell mediated
autoimmunity or humoral autoimmunity by administering an R'-Glu-Trp-R"
pharmaceutical preparation useful in subjects having autoimmune
diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:314748 USPATFULL
TITLE: Pharmaceutical dipeptide compositions and methods of use thereof: immunostimulants
INVENTOR(S): Kozhemyakin, Andrei L., St. Petersburg, RUSSIAN FEDERATION
 Sinackevich, Nickolai V., St. Petersburg, RUSSIAN FEDERATION
 Seryi, Sergey V., St. Petersburg, RUSSIAN FEDERATION
 Rakhilov, Alexei M., St. Petersburg, RUSSIAN FEDERATION
 Morozov, Vyacheslav G., St. Petersburg, RUSSIAN FEDERATION
 Khavinson, Vladimir, St. Petersburg, RUSSIAN FEDERATION
 Green, Lawrence R., Tacoma, WA, UNITED STATES
PATENT ASSIGNEE(S): Cytran, Inc., Kirkland, WA, UNITED STATES (non-U.S.
corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 20020177226 | A1 | 20021128 |
| | US 6777195 | B2 | 20040817 |
| APPLICATION INFO.: | US 2002-76707 | A1 | 20020214 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1997-977279, filed on 24 Nov 1997, PATENTED Continuation of Ser. No. US 1995-452411, filed on 26 May 1995, PATENTED Continuation of Ser. No. US 1994-278463, filed on 21 Jul 1994, ABANDONED Continuation-in-part of Ser. No. US 1995-401653, filed on 9 Mar 1995, ABANDONED Continuation-in-part of Ser. No. US 1994-257495, filed on 7 Jun 1994, ABANDONED Continuation-in-part of Ser. No. US 1995-370838, filed on 10 Jan 1995, ABANDONED Continuation-in-part of Ser. No. US 1991-783518, filed on 28 Oct 1991, ABANDONED Continuation-in-part of Ser. No. US 1991-678129, filed on 1 Apr 1991, ABANDONED Continuation-in-part of Ser. No. US 1989-415283, filed | | |

on 30 Aug 1989, ABANDONED Continuation-in-part of Ser.
No. US 1993-75842, filed on 10 Jun 1993, ABANDONED

| | NUMBER | DATE |
|--|--|----------------------|
| PRIORITY INFORMATION: | WO 1988-SU255
SU 1987-4352833 | 19881214
19871230 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834 | |
| NUMBER OF CLAIMS: | 24 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 8 Drawing Page(s) | |
| LINE COUNT: | 8271 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L11 ANSWER 2 OF 7 USPATFULL on STN
TI Method of treating complications in immunodepressed states resulting from HIV infection
AB Methods of treatment of subjects for decreasing cell mediated autoimmunity or humoral autoimmunity by administering an R'-Glu-Trp-R" pharmaceutical preparation useful in subjects having autoimmune diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2002:75189 USPATFULL
TITLE: Method of treating complications in immunodepressed states resulting from HIV infection
INVENTOR(S): Kozhemyakin, Andrei L., St. Petersburg, RUSSIAN FEDERATION
Sinackevich, Nickolai V., St. Petersburg, RUSSIAN FEDERATION
Seryi, Sergey V., St. Petersburg, RUSSIAN FEDERATION
Rakhilov, Alexei M., St. Petersburg, RUSSIAN FEDERATION
Morozov, Vyacheslav G., St. Petersburg, RUSSIAN FEDERATION
Khavinson, Vladimir Kh., St. Petersburg, RUSSIAN FEDERATION
PATENT ASSIGNEE(S): Cytrana, Inc., Kirkland, WA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6368788 | B1 | 20020409 |
| APPLICATION INFO.: | US 1997-977279 | | 19971124 (8) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1995-452411, filed on 26 May 1995, now patented, Pat. No. US 5728680
Continuation-in-part of Ser. No. US 1994-278463, filed on 21 Jul 1994, now abandoned Continuation-in-part of Ser. No. US 1994-257495, filed on 7 Jun 1994, now abandoned Continuation of Ser. No. US 1991-783518, filed on 28 Oct 1991, now abandoned
Continuation-in-part of Ser. No. US 1991-678129, filed on 1 Apr 1991, now abandoned | | |

| | NUMBER | DATE |
|-----------------------|-----------------|----------|
| PRIORITY INFORMATION: | SU 1987-4352833 | 19871230 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |

PRIMARY EXAMINER: Park, Hankyeol
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew LLP
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 7640
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 3 OF 7 USPATFULL on STN
TI Multiple coagulation test system and method of using a multiple coagulation test system
AB A multiple coagulation test system and method for determining an appropriate coagulation promoting substance for administration to a patient as a therapy for improving clotting function in said patient has at least three sample wells. One of the wells is for testing a baseline clotting indicator time of a patient's blood to serve as a control sample. Each of the other wells are for testing clotting indicator times of different coagulation promoting substances when mixed with the patient's blood. The coagulation promoting substances are agents or combination of agents capable of improving clotting function in the patient. An appropriate therapy for improving clotting function in the patient is determined by comparison of the baseline control clotting indicator time with the clotting indicator times of the coagulation promoting substances mixed with the patient's blood. Generally, the agent giving the lowest clotting indicator time is selected as an appropriate treatment for reducing hemorrhaging begun. Utilizing the inventive system eliminates the need to use a multiple agent approach, by identifying the most effective course of action in a rapid manner. The system and method are also easily adaptable to test coagulation inhibiting substances.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:117516 USPATFULL
TITLE: Multiple coagulation test system and method of using a multiple coagulation test system
INVENTOR(S): Goldstein, Sheldon, 30 S. Adelaide Ave., Penthouse K, Highland Park, NJ, United States 08904

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 6114135 | | 20000905 |
| APPLICATION INFO.: | US 1996-653770 | | 19960524 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1994-326323, filed on 20 Oct 1994, now abandoned which is a division of Ser. No. US 1991-790631, filed on 8 Nov 1991, now patented, Pat. No. US 5366869, issued on 22 Nov 1994 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Wityshyn, Michael G. | | |
| ASSISTANT EXAMINER: | Kerr, Janet M. | | |
| LEGAL REPRESENTATIVE: | Stroock & Stroock & Lavan LLP | | |
| NUMBER OF CLAIMS: | 16 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 2 Drawing Figure(s); 2 Drawing Page(s) | | |
| LINE COUNT: | 1161 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 4 OF 7 USPATFULL on STN
TI Pharmaceutical dipeptide compositions and methods of use thereof:
immunodepressants
AB Methods of treatment of subjects for decreasing cell mediated

autoimmunity or humoral autoimmunity by administering an R'-Glu-Trp-R" pharmaceutical preparation useful in subjects having autoimmune diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:115714 USPATFULL
TITLE: Pharmaceutical dipeptide compositions and methods of use thereof: immunodepressants
INVENTOR(S): Khavinson, Vladimir Kh., St. Petersburg, Russian Federation
Morozov, Vyacheslav G., St. Petersburg, Russian Federation
PATENT ASSIGNEE(S): Cytran, Inc., Kirkland, WA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|--|------|---|
| PATENT INFORMATION: | US 5811399 | | 19980922 |
| APPLICATION INFO.: | US 1995-450904 | | 19950526 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. 1998:115714, filed on 21 Jul 1994, now abandoned And Ser. No. 1995-450904, filed on 10 Nov 1994, now patented, Pat. No. 5538951 which is a continuation-in-part of Ser. No. 1995-450904, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. 1995-450904, filed on 28 Oct 1991, now abandoned which is a continuation-in-part of Ser. No. 1995-450904, filed on 1 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. 1995-450904, filed on 30 Aug 1989, now abandoned | | 278463, filed on 21 Jul 1994, now abandoned And Ser. No. 337341, filed on 10 Nov 1994, now patented, Pat. No. 5538951 which is a continuation-in-part of Ser. No. 257495, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. 783518, filed on 28 Oct 1991, now abandoned which is a continuation-in-part of Ser. No. 678129, filed on 1 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. 415283, filed on 30 Aug 1989, now abandoned |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Tsang, Cecilia J. | | |
| ASSISTANT EXAMINER: | Harle, Jennifer | | |
| NUMBER OF CLAIMS: | 12 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 14 Drawing Figure(s); 7 Drawing Page(s) | | |
| LINE COUNT: | 8863 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

L11 ANSWER 5 OF 7 USPATFULL on STN

TI Method for treatment of purulent inflammatory diseases
AB This invention provides methods of treating purulent inflammatory diseases by administering L-Glu-L-Trp or a salt thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:111911 USPATFULL
TITLE: Method for treatment of purulent inflammatory diseases
INVENTOR(S): Morozov, Vyacheslav G., St. Petersburg, Russian Federation
Khavinson, Vladimir Kh., St. Petersburg, Russian Federation
PATENT ASSIGNEE(S): Cytoven J.V., Kirkland, WA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--|
| PATENT INFORMATION: | US 5807830 | | 19980915 |
| APPLICATION INFO.: | US 1995-452061 | | 19950526 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1994-337341, filed on 10 Nov 1994, now patented, Pat. No. US 5538951 And a continuation-in-part of Ser. No. US 1994-278463, filed | | US 1994-337341, filed on 10 Nov 1994, now patented, Pat. No. US 5538951 And a continuation-in-part of Ser. No. US 1994-278463, filed |

on 21 Jul 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-257495, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1991-783518, filed on 28 Oct 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-678129, filed on 1 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. US 1989-415283, filed on 30 Aug 1989, now abandoned

| NUMBER | DATE |
|--|---|
| PRIORITY INFORMATION: | SU 1987-4352833 |
| DOCUMENT TYPE: | Utility |
| FILE SEGMENT: | Granted |
| PRIMARY EXAMINER: | Jones, W. Gary |
| ASSISTANT EXAMINER: | Fredman, Jeffrey |
| NUMBER OF CLAIMS: | 11 |
| EXEMPLARY CLAIM: | 1 |
| NUMBER OF DRAWINGS: | 16 Drawing Figure(s); 8 Drawing Page(s) |
| LINE COUNT: | 8879 |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | |

L11 ANSWER 6 OF 7 USPATFULL on STN
TI Pharmaceutical dipeptide compositions and methods of use thereof:
systemic toxicity
AB Methods of treatment of subjects with systemic toxicity by administering
an R'-Glu-Trp-R" pharmaceutical preparation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 1998:72601 USPATFULL
TITLE: Pharmaceutical dipeptide compositions and methods of use thereof: systemic toxicity
INVENTOR(S): Morozov, Vyacheslav G., St. Petersburg, Russian Federation
Khavinson, Vladimir Kh., St. Petersburg, Russian Federation
PATENT ASSIGNEE(S): Cytran, Inc., Kirkland, WA, United States (U.S. corporation)

| NUMBER | KIND | DATE |
|-----------------------|--|--------------|
| PATENT INFORMATION: | US 5770576 | 19980623 |
| APPLICATION INFO.: | US 1995-452077 | 19950526 (8) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1994-337341, filed on 10 Nov 1994, now patented, Pat. No. US 5538951 which is a division of Ser. No. US 1989-415283, filed on 30 Aug 1989 And a continuation-in-part of Ser. No. US 1994-278463, filed on 21 Jul 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-257495, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1991-783518, filed on 28 Oct 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-678129, filed on 1 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. US 1989-415283, filed on 30 Aug 1989, now abandoned | |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Robinson, Douglas W. | |
| ASSISTANT EXAMINER: | Harle, Jennifer | |
| NUMBER OF CLAIMS: | 13 | |
| EXEMPLARY CLAIM: | 1 | |

NUMBER OF DRAWINGS: 14 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 8823
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 7 OF 7 USPATFULL on STN

TI Methods for normalizing numbers of lymphocytes
AB This invention provides methods for normalizing the numbers of lymphocytes in animals by administering the dipeptide L-Glu-L-Trp.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:28061 USPATFULL

TITLE: Methods for normalizing numbers of lymphocytes
INVENTOR(S): Morozov, Vyacheslav G., St. Petersburg, Russian Federation
Khavinson, Vladimir Kh., St. Petersburg, Russian Federation

PATENT ASSIGNEE(S): Cytoven J.V., Kirkland, WA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5728680 | | 19980317 |
| APPLICATION INFO.: | US 1995-452411 | | 19950526 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1994-337341, filed on 10 Nov 1994, now patented, Pat. No. US 5538951 And a continuation-in-part of Ser. No. US 1994-278463, filed on 21 Jul 1994, now abandoned which is a continuation-in-part of Ser. No. US 1994-257495, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1991-783518, filed on 28 Oct 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-678129, filed on 1 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. US 1989-415283, filed on 30 Aug 1989, now abandoned | | |

| | NUMBER | DATE |
|--|---|----------|
| PRIORITY INFORMATION: | SU 1987-4352833 | 19871230 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Feisee, Lila | |
| ASSISTANT EXAMINER: | Ungar, Susan | |
| NUMBER OF CLAIMS: | 12 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 16 Drawing Figure(s); 8 Drawing Page(s) | |
| LINE COUNT: | 8309 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

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